## WHAT IS CLAIMED IS:

1		1. An isolated Ozz protein.
1		2. The Ozz protein of claim 1 which is a human Ozz protein.
1 2		3. The Ozz protein of claim 2 which has an amino acid sequence as depicted in SEQ ID NO:4.
1		4. The Ozz protein of claim 1 which is a mouse Ozz protein.
1 2		5. The Ozz protein of claim 3 which has an amino acid sequence as depicted in SEQ ID NO:2.
1 2 3		6. The Ozz protein of claim 4 which is encoded by a nucleic acid having a sequence as depicted in SEQ ID NO:1, or by a nucleic acid which is hybridizable under stringent conditions with a nucleic acid having a sequence as depicted in SEQ ID NO:1 or its complement.
1 2 3	7. A fragment, analog, or derivative of the Ozz protein of claim fragment, analog, or derivative has the ability to bind a protein selected from the group of the Ozz protein of claim fragment, analog, or derivative has the ability to bind a protein selected from the group of the Ozz protein of claim fragment, analog, or derivative has the ability to bind a protein selected from the group of the Ozz protein of claim fragment, analog, or derivative has the ability to bind a protein selected from the group of the Ozz protein of claim fragment, analog, or derivative has the ability to bind a protein selected from the group of the Ozz protein of claim fragment, analog, or derivative has the ability to bind a protein selected from the group of the Ozz protein of the Oz	
1 2		8. A polypeptide fragment of an Ozz protein, wherein the fragment has a property selected from the group consisting of:
3		a) having about 40% sequence identity to a duplicated neuralized
4		homology repeats (NHRs) of neuralized protein of Drosophila;
5		b) comprising a stretch of about 30 amino acids at the C-terminus
6		homologous to two regions of neuralized proteins;
7		c) comprising an amino acid sequence selected from the group
8		consisting of SEQ ID NOS:5, 7, 9, and 11;
9		d) comprising an amino acid sequence selected from the group
10		consisting of GTRATR (SEQ ID NO:19), GVCFSR (SEQ ID NO:20), GQPEA (SEQ ID

11		NO:21)	, KGLKDFCKY (SEQ ID NO:22),		
12		PSLQTLCRLVIQRSMVHRLAIDGLHLPKELKDFCKYE (SEQ ID NO:23), and SLxxxCxxxI (SEQ ID NO:24); and			
13					
14			e) specific binding activity with an anti-Ozz antibody.		
1		9.	An isolated nucleic acid encoding the Ozz protein of claim 1.		
1		10.	The nucleic acid of claim 9 which is a cDNA.		
1 2	27,000	11.	The nucleic acid of claim 9, wherein the Ozz protein is a human Ozz		
1		12.	The nucleic acid of claim 11 which comprises a nucleotide sequence as		
2		depicted in SEQ ID NO:3.			
1		13.	The nucleic acid of claim 9, wherein the Ozz protien is a mouse Ozz protein.		
1		14.	The nucleic acid of claim 13 which comprises a nucleotide sequence as		
2		depicted in SEQ ID 1	NO:1.		
1		15.	An vector comprising a nucleic acid encoding a fragment of an Ozz protein		
2		operatively associated with an expression control sequence, wherein the fragment of an Ozz			
3			y to bind a protein selected from the group consisting of $\beta$ -catenin, myosin,		
4		c-Nap, and Alix.			
1		16.	The vector according to claim 15, wherein the fragment of an Ozz protein		
2		is a full length Ozz protein.			
1		17.	A host cell transfected with the vector of claim 15.		
1		18.	A non-human animal transformed with the vector of claim 15, wherein the		
2		animal expresses an	Ozz protein.		

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- 19. A method for producing Ozz protein comprising isolating Ozz protein produced by the host cells of claim 17, wherein the host cells have been cultured under conditions that provide for expression of the Ozz protein by the vector.
- 20. An isolated nucleic acid of at least ten bases that hybridizes under stringent conditions with a nucleic acid having a nucleotide sequence as depicted in SEQ ID NO:1 or SEQ ID NO:3, with the proviso that the nucleic acid is not a PPCA exon Ia.
- The nucleic acid of claim 20, wherein at least ten nucleotides are from the nucleic acid sequence as depicted in SEQ ID NO:1 or SEQ ID NO:3.
  - 22. An isolated Ozz muscle-specific promoter.
- 23. A vector comprising a heterologous gene operatively associated with the muscle-specific promoter of claim 22.
  - 24. An antibody that specifically binds to the Ozz protein of claim 1.
- 25. A method for detecting an Ozz protein comprising detecting binding of the antibody of claim 24 to a protein in a sample suspected of containing an Ozz protein, wherein the antibody is contacted with the sample under conditions that permit specific binding with any Ozz protein present in the sample.
- 26. A method for detecting expression of *Ozz* comprising detecting mRNA encoding *Ozz* in a sample from a cell suspected of expressing *Ozz*.
- 27. The method according to claim 28 wherein mRNA encoding *Ozz* is detected by hybridization to an *Ozz*-specific nucleic acid.
- 1 28. The method according to claim 27 wherein the *Ozz*-specific nucleic acid is 2 *Ozz* cDNA.

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- 29. A method for detecting damage to muscle tissue comprising detecting an increase in the level of Ozz protein in a blood or a blood fraction, wherein the presence of an increase in the level of Ozz in blood or a blood fraction indicates damage to muscle tissue.
  - 30. The method according to claim 29 wherein the muscle is the heart.
- 31. A method for detecting a disease associated with a defect in Ozz expression in a subject, which method comprises detecting an abnormal level or localization of Ozz in muscle cells from a subject.
  - 32. The method according to claim 31, wherein the disease is galactosialidosis.
- 33. The method according to claim 32, wherein the muscle cells are from the atrium of the heart.